North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa CA 95403
(707) 576-2220

Notice of Proposed Revision

of

Monitoring and Reporting Program No. R1-2001-60

for

McKinleyville Community Services District
Wastewater Treatment Facility
NPDES permit No. CA0024490
WDID No. 1B82084OHUM

Humboldt County

On the basis of preliminary staff review and application of lawful standards and regulations, the California Regional Water Quality Control Board, North Coast Region, adopted Waste Discharge Requirements Order No. R1-2001-60 for the McKinleyville Community Services District wastewater treatment facility on June 28, 2001. The monitoring and reporting program for this NPDES permit was revised by the Regional Water Board Executive Officer on December 12, 2005. This NPDES permit and the associated monitoring and reporting program were scheduled to expire on June 28, 2006. NPDES permit Order No. R1-2001-60 remains in effect until the Regional Water Board can assemble a quorum to adopt a replacement permit.

McKinleyville Community Services District has requested reduced frequency of analyses required by the monitoring and reporting program of Order No. R1-2001-60. The Regional Water Board Executive Officer proposes to revise the monitoring and reporting program to reduce the number and frequency of analyses. The Executive Officer will consider comments and objections to the proposed draft monitoring and reporting program revisions. The Executive Officer will issue the draft monitoring and reporting program without further notice unless significant public comment is received before the end of the comment period described below.

The Discharger and interested persons must submit to the Regional Water Board office at 5550 Skylane Boulevard, Suite A, Santa Rosa CA 95403, written copies of all technical reports, testimony, and other evidentiary material concerning this issue by 5:00 p.m. on **October 14, 2006**.

The tentative monitoring and reporting program, related documents, and comments received are on file and may be inspected or copied at the Regional Water Board office, 5550 Skylane Boulevard, Suite A, Santa Rosa, California. Appointments are recommended for document review. Appointments can be made by calling (707) 576-2220.

Catherine E. Kuhlman
Executive Officer

September 14, 2006

Linda S. Adams
Secretary for
Environmental Protection

California Regional Water Quality Control Board

North Coast Region

5550 Skylane Boulevard, Suite A
Santa Rosa CA 95403
(707)576-2220 • Fax (707)523-0135
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Arnold Schwarzenegger
Governor

ORDER NO. R1-2001-60
NPDES NO. CA0024490

The following Discharger is required to furnish, under penalty of perjury, monitoring program reports in accordance with the conditions set forth in Order No. R1-2001-60 and the conditions set forth in this revised monitoring and reporting program:

Discharger	**McKinleyville Community Services District**
Name of Facility	**Wastewater treatment facility**
Facility Address	**PO Box 2037**
	McKinleyville CA 95519
	Humboldt County

Ordered by: _____
Catherine E. Kuhlman, Executive Officer
<<Date to be Determined>>

MONITORING AND REPORTING PROGRAM (MRP)

The Code of Federal Regulations (CFR) at 40 CFR §122.48 requires that all NPDES permits specify monitoring and reporting requirements. CWC sections 13267 and 13383 also authorize the Regional Water Quality Control Board (RWQCB) to require technical and monitoring reports. This MRP establishes monitoring and reporting requirements which implement the federal and California regulations.

I. GENERAL MONITORING PROVISIONS

A. Composite samples may be taken by a proportional sampling device approved by the Regional Water Board Executive Officer (Executive Officer) or by grab samples composited in proportion to flow. In compositing samples, the sampling interval shall not exceed one hour.

II. MONITORING LOCATIONS

The Discharger shall establish the following monitoring locations to demonstrate compliance with the effluent limitations, discharge specifications, and other requirements in this Order:

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
--	M-INF	**Treatment facility headworks**
001	M-001A	**Chlorine contact chamber prior to dechlorination**
001	M-001B	**Chlorine contact chamber following dechlorination**
001	M-002	**Outfall to the Mad River under the Hammond Trail railroad bridge**
--	M-003	**Outfall to percolation ponds at 40°55'39"north, 124°7'35"west**
--	M-004	**Recycled wastewater irrigation of Fisher Ranch**
--	M-005	**Recycled wastewater irrigation of Homen Dairy**
--	M-006	**Recycled wastewater irrigation of Hiller East**
--	M-007	**Recycled wastewater irrigation of Pialorsi Dairy**
--	R-001	**Mad River upstream of Highway 101 bridge**
--	R-002	**Mad River at the Tyee City boat ramp**
--	W-001	**Well M-1**
--	W-002	**Well M-2 on the SW corner of the intersection of School and Fisher Roads**
--	W-003	**Well M-3**
--	W-004	**Well M-4**
--	W-005	**Well M-5**
--	W-006	**Well M-6**
--	W-007	**Well M-7 in the upper portion of the Fisher parcel**
--	W-008	**Well M-8 400 feet west of the intersection of School and Fisher roads**
--	W-009	**Well M-9**
--	W-010	**Well M-10**
--	W-011	**Well M-11**
--	W-012	**Well M-12**
--	W-013	**Well M-13**

III. INFLUENT MONITORING REQUIREMENTS

A. Monitoring Location M-INF

1. The Discharger shall monitor influent to the facility at M-INF as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Waste flow	gallon	meter	continuous	meter
Biochemical Oxygen Demand	mg/L	24-hour flow-weighted composite	weekly when discharging at 001	Standard Method 5210B
Suspended solids	mg/L	24-hour composite	weekly when discharging at 001	Standard Method 2540D

IV. EFFLUENT MONITORING REQUIREMENTS

A. Monitoring Location M-001A

1. The Discharger shall monitor chlorinated effluent at M-001A as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Waste flow	gallon	meter	continuous	meter
Chlorine residual	mg/L	Grab	daily when discharging at 001	40CFR136
Settleable Solids	mL/L	Grab	weekly when discharging at 001	Standard Method 2540F
Biochemical Oxygen Demand	mg/L	24-hour flow-weighted composite	weekly	Standard Method 5210B
Suspended Solids	mg/L	24-hour flow-weighted composite	weekly when discharging at 001	Standard Method 2540D

B. Monitoring Location M-001B

1. The Discharger shall monitor dechlorinated effluent at M-001B as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Test Method
Chlorine residual	mg/L	grab	daily when discharging at 001	40CFR136
Total coliform organisms	MPN	grab	weekly	Standard Method 9221
Hydrogen Ion	pH	Grab	weekly when discharging at 001	40CFR136
temperature	°C	Grab	weekly when discharging at 001	40CFR136

C. Monitoring Location M-002

1. The Discharger shall monitor effluent discharged to the Mad River at M-002 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Waste flow	gallon	meter	daily	meter

V. WHOLE EFFLUENT TOXICITY TESTING REQUIREMENTS

A. Acute Toxicity Monitoring

1. The Discharger shall monitor effluent discharged to the Mad River at M-002 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
survival of rainbow trout (*Oncorhynchus mykiss*)	%	8-hour composite	monthly	EPA 600/4-90-027F 96-hour static or static renewal

B. Chronic Toxicity Monitoring

1. The Discharger shall monitor effluent discharged to the Mad River at M-002 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Fathead minnow (*Pimephales promelas*)	TUc	8-hour composite	annually	EPA 600/4-91-00 7 day larval survival; growth
Water flea (*Ceriodaphnia dubia*)	TUc	8-hour composite	annually	EPA 600/4-91-00 6 to 8 day survival: number of young
alga (*Selenastrum capricornutum*)	TUc	8-hour composite	annually	EPA 600/4-91-00 4 day growth rate

VI. LAND DISCHARGE MONITORING REQUIREMENTS

Monitoring Location M-003

1. The Discharger shall monitor effluent to percolation ponds at M-003 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Waste flow	gallon	meter	daily	meter

VII. RECLAMATION MONITORING REQUIREMENTS

A. Monitoring Location M-004

1. The Discharger shall monitor irrigation with recycled wastewater at M-004 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Type I Irrigation flow	gallon	meter	daily	meter
Type II Irrigation flow	gallon	meter	daily	meter

B. Monitoring Location M-005

1. The Discharger shall monitor irrigation with recycled wastewater at M-005 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Irrigation flow	gallon	meter	daily	meter

C. Monitoring Location M-006

1. The Discharger shall monitor irrigation with recycled wastewater at M-006 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Irrigation flow	gallon	meter	daily	meter

D. Monitoring Location M-007

1. The Discharger shall monitor irrigation with recycled wastewater at M-007 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Irrigation flow	gallon	meter	daily	meter

VIII. RECEIVING WATER MONITORING REQUIREMENTS – SURFACE WATER AND GROUNDWATER

A. Monitoring Location R-001

1. The Discharger shall monitor the Mad River at R-001 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Mad River flow	gallon /day	Gage	daily	USGS gage No. 11-4810.00
Temperature	°C	Grab	Monthly	40CFR136
Hydrogen ion	pH	Grab	Monthly	40CFR136
Dissolved oxygen	mg/L	Grab	Monthly	40CFR136
Turbidity	NTU	Grab	Monthly	Standard Method 2130B
Floating solids, liquids, foam, and/or scum	Y/N	Visual observation	Monthly	Compare w/ R-002
Oil, grease, or wax films	Y/N	Visual observation	Monthly	Compare w/ R-002
Aquatic growths	Y/N	Visual observation	Monthly	Compare w/ R-002
discoloration	Y/N	Visual observation	Monthly	Compare w/ R-002

B. Monitoring Location R-002

1. The Discharger shall monitor the Mad River at R-002 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Temperature	°C	Grab	Monthly	40CFR136
Hydrogen ion	pH	Grab	Monthly	40CFR136
Dissolved oxygen	mg/L	Grab	Monthly	40CFR136
Turbidity	NTU	Grab	Monthly	Standard Method 2130B
Floating solids, liquids, foam, and/or scum	Y/N	Visual observation	Monthly	Compare w/ R-001
Oil, grease, or wax films	Y/N	Visual observation	Monthly	Compare w/ R-001
Aquatic growths	Y/N	Visual observation	Monthly	Compare w/ R-001
discoloration	Y/N	Visual observation	Monthly	Compare w/ R-001

C. Monitoring Location W-001

1. The Discharger shall monitor well M-1 at W-001 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Groundwater elevation	inches	Observation	quarterly	Above sea level

D. Monitoring Location W-002

1. The Discharger shall monitor well M-2 at W-002 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Nitrogen as nitrate	mg/L	Grab	Twice annually one week before and one month after irrigation with recycled water	40CFR136
Groundwater elevation	inches	Observation	Quarterly	Above sea level

E. Monitoring Location W-003

1. The Discharger shall monitor well M-3 at W-003 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Groundwater elevation	inches	Observation	Quarterly	Above sea level

F. Monitoring Location W-004

1. The Discharger shall monitor well M-4 at W-004 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Groundwater elevation	inches	Observation	quarterly	Above sea level

G. Monitoring Location W-005

1. The Discharger shall monitor well M-5 at W-005 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Groundwater elevation	inches	Observation	quarterly	Above sea level

H. Monitoring Location W-006

1. The Discharger shall monitor well M-6 at W-006 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Groundwater elevation	inches	Observation	quarterly	Above sea level

I. Monitoring Location W-007

1. The Discharger shall monitor well M-7 at W-007 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Nitrogen as nitrate	mg/L	Grab	Twice annually one week before and one month after irrigation with recycled water	40CFR136
Groundwater elevation	inches	Observation	quarterly	Above sea level

J. Monitoring Location W-008

1. The Discharger shall monitor well M-8 at W-008 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Nitrogen as nitrate	mg/L	Grab	Twice annually one week before and one month after irrigation with recycled water	40CFR136
Groundwater elevation	inches	Observation	quarterly	Above sea level

K. Monitoring Location W-009

1. The Discharger shall monitor well M-9 at W-009 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Groundwater elevation	inches	Observation	quarterly	Above sea level

L. Monitoring Location W-010

1. The Discharger shall monitor well M-10 at W-010 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Groundwater elevation	inches	Observation	quarterly	Above sea level

M. Monitoring Location W-011

1. The Discharger shall monitor well M-11 at W-011 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Groundwater elevation	inches	Observation	quarterly	Above sea level

N. Monitoring Location W-012

1. The Discharger shall monitor well M-12 at W-012 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Groundwater elevation	inches	Observation	quarterly	Above sea level

O. Monitoring Location W-013

1. The Discharger shall monitor well M-13 at W-013 as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Groundwater elevation	inches	Observation	quarterly	Above sea level

IX. OTHER MONITORING REQUIREMENTS

X. REPORTING REQUIREMENTS

A. General Monitoring and Reporting Requirements

1. The Discharger shall comply with all Permit Provisions related to monitoring, reporting, and recordkeeping.

B. Self Monitoring Reports (SMRs)

1. At any time during the term of this permit, the State or Regional Water Board may notify the Discharger to electronically submit self-monitoring reports. Until such notification is given, the Discharger shall submit self-monitoring reports in accordance with the requirements described below.

2. The Discharger shall submit monthly Self Monitoring Reports including the results of all required monitoring using USEPA-approved test methods or other test methods specified in this Order. Monthly reports shall be due on the 1st day of the second month following the end of each calendar month.

3. Monitoring periods and reporting for all required monitoring shall be completed according to the following schedule:

Sampling Frequency	Monitoring Period	SMR Due Date
Continuous	All	First day of second calendar month following month of sampling
X / hour	Hourly	First day of second calendar month following month of sampling
X / day	(Midnight through 11:59 PM) or any 24-hour period that reasonably represents a calendar day for purposes of sampling.	First day of second calendar month following month of sampling
X / week	Sunday through Saturday	First day of second calendar month following month of sampling
X / month	1st day of calendar month through last day of calendar month	First day of second calendar month following month of sampling
X / quarter	January 1 through March 31 April 1 through June 30 July 1 through September 30 October 1 through December 31	May 1 August 1 November 1 February 1
X / semi-annual period	January 1 through June 30 July 1 through December 31	August 1 February 1
X / year	January 1 through December 31	February 1

4. The Discharger shall report with each sample result the applicable Minimum Level (ML) and the current Method Detection Limit (MDL), as determined by the procedure in 40 CFR Part 136.

5. The Discharger shall arrange all reported data in a tabular format. The data shall be summarized to clearly illustrate whether the facility is operating in compliance with interim and/or final effluent limitations.

6. The Discharger shall attach a cover letter to the SMR. The information contained in the cover letter shall clearly identify violations of the WDRs; discuss corrective actions taken or planned; and the proposed time schedule for corrective actions. Identified violations must include a description of the requirement that was violated and a description of the violation.

7. SMRs must be submitted to the Regional Water Board, signed and certified as required by General Provision F.11, to the address listed below:

   North Coast Regional Water Quality Control Board
   5550 Skylane Boulevard, Suite A
   Santa Rosa CA 95403

C. Discharge Monitoring Reports (DMRs)

1. As described in Section X.B.1 above, at any time during the term of this permit, the State or Regional Water Board may notify the discharger to electronically submit self-monitoring reports. Until such notification is given, the Discharger shall submit discharge monitoring reports (DMRs) in accordance with the requirements described below.

2. DMRs must be signed and certified as required by the standard provisions (Attachment D). The Discharge shall submit the original DMR and one copy of the DMR to the address listed below:

State Water Resources Control Board
Discharge Monitoring Report Processing Center
Post Office Box 671
Sacramento, CA 95812

3. All discharge monitoring results must be reported on the official USEPA pre-printed DMR forms (EPA Form 3320-1). Forms that are self-generated or modified cannot be accepted.